

Vis-Cure AXIS 966-M-F

Flexible Thermoplastic Bonding Adhesive

TECHNICAL DATA

Product Description

Resin Designs Medical Device Adhesive 966-M-F is designed for rapid bonding of plastics typically used in the manufacture of medical devices. The red color of Resin Designs Vis-Cure products disappears when they are fully cured. Resin Designs Medical Device Adhesives contain no non-reactive solvents and cure upon exposure to UV light. Their ability to cure in seconds enables faster processing, greater output, and lower processing costs. The 966-M-F version fluoresces red for in-line inspection under low-intensity "black light" (365nm). This product is in full compliance with the RoHS directives 2002/95/EC and 2003/11EC. Axis 966-M-F has been qualified to the ISO 10993 Protocol as a means to assist in the selection of products for use in the medical device industry.

APPLICATIONS	FEATURES	RECOMMENDED SUBSTRATES	BIOCOMPATIBILITY
<ul style="list-style-type: none"> • Tube sets • Metal to plastic • Assembly • Catheters • Reservoirs 	<ul style="list-style-type: none"> • Red to clear upon exposure to UV/visible light • Flexible • Light • UV/visible light cure • Fluoresces in black light 	<ul style="list-style-type: none"> • PMMA • PA • PC • PU • PVC • PET • Stainless Steel 	<ul style="list-style-type: none"> • ISO 10993 cytotoxicity

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Acrylated Urethane	N/A
Appearance	Red Transparent Gel	N/A
Soluble in	Organic Solvents	N/A
Specific Gravity	1.01	TFTEST002
Viscosity, cps	700-900	TFTEST001

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer Hardness, Shore A	60-70	TFTEST012
Tensile at Break, MPa [psi]	1,300-1,500	N/A
Elongation at Break, %	200-240	N/A
Modulus of Elasticity [psi]	2,500	N/A

OTHER CURED PROPERTIES*		
Property	Value	Test Method
Refractive Index (20°C)	1.5	N/A
Boiling Water Absorption, % (2hr)	2.5	N/A
Water Absorption, % (25C, 24 hr)	1.7	N/A

Storage:

Store material in cool, dry location at a temperature between 10°C to 28°C. Keep from freezing. Material is sensitive to UV and visible light. Refer to packaging specific quote for shelf life information. Consult MSDS for safe handling recommendations.

ISO - 10993

An ISO 10993 test protocol is an integral part of the quality program for Axis 966-M-F. Axis 966-M-F has been qualified to Resin Designs, LLC ISO 10993 protocol as a means to assist in the selection of products for use in the medical device industry.